

# NISTHA PATEL

Bharuch, Gujarat , India | [GitHub](https://github.com/pnistha11)

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## SUMMARY

Aspiring Data Analyst with a Master of Computer Applications (MCA) and hands-on experience in Python-based data analysis, SQL querying, and Tableau dashboard development. Proven ability to transform raw datasets into actionable business insights through end-to-end projects. Passionate about leveraging data cleaning, predictive modeling, and visualization techniques to support data-driven decision-making.

## TECHNICAL SKILLS

**Programming:** Python (Pandas, NumPy), Exploratory Data Analysis (EDA), Data Cleaning

**Data Analysis:** Pandas, NumPy, Exploratory Data Analysis (EDA), Data Cleaning

**Databases:** SQL, MySQL (Querying, Joins, Database Management)

**Visualization:** Tableau, Power BI, Matplotlib, Seaborn

**Machine Learning & Experimentation:** Supervised ML (Linear Regression, Logistic Regression, Decision Tree, Random Forest), Train/Test Split, Model Evaluation (Accuracy, Precision, Recall, F1-Score)

**Tools:** Git, GitHub, Microsoft Excel, VS Code

## EXPERIENCE

### UNIFIED MENTOR, Data Analysis Intern

Oct 2025 – Jan 2026(Completed) | Remote

- Performed comprehensive data cleaning and Exploratory Data Analysis (EDA) on large-scale e-commerce and social media datasets to improve data quality for modeling.
- Identified key market trends and anomalies by analysing complex datasets, providing actionable insights for business strategy optimization.
- Built and evaluated analytical models using Python to support prediction tasks, achieving measurable improvements in forecast accuracy.
- Designed and presented interactive visualizations and summary reports to stakeholders, effectively communicating data-driven findings for decision-making.

## PROJECTS

### Instagram Fake Spammer genuine accounts

- **Tech Stack:** Python, Machine Learning (Scikit-Learn), Pandas
- Developed a classification model to detect fake Instagram accounts by analysing profile metadata and activity patterns.
- Implemented rigorous feature engineering and EDA to distinguish between genuine and fake users with high classification accuracy.

### Laptop Price Analysis

- **Tech Stack:** Python, Matplotlib, Seaborn
- Conducted an in-depth analysis of hardware specifications to determine their impact on laptop pricing.
- Applied machine learning algorithms to predict laptop prices based on features such as RAM, storage, and processor type.

### RetailInsights360 (End-to-End Retail Analytics Project)

- **Tech Stack:** Python, SQL, Tableau, Pandas
- Built a comprehensive retail analytics solution involving data cleaning, KPI development, and statistical modeling.
- Designed a star-schema data warehouse to perform advanced customer analytics, including Customer Lifetime Value (CLTV) and Churn prediction.
- Developed interactive Tableau dashboards to visualize sales trends and performance metrics, enabling real-time tracking of business health.

## **EDUCATION**

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|---|-----------------------------|
| <b>PP Savani University</b>                 | <b>Sep 2024 – June 2026</b> |
| Master of Computer Applications (MCA)       | Surat India                 |
| <b>Veer Narmad South Gujarat University</b> | <b>Jul 2021 – Feb 2024</b>  |
| Bachelor of Computer Applications (BCA)     | Surat India                 |

## **ACHIEVEMENTS & CERTIFICATIONS**

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- **Google Data Analytics Professional Certificate – Google**
- **Google Advanced Data Analytics Certificate – Google**
- **Data Analysis and Visualization with Python – Microsoft**
- **Data Analysis Using Python – IBM**
- **Data Analytics Virtual Job Simulation – Deloitte**
- **Power BI for Beginners – Microsoft**